Amendments to the Claims:

This listing of claims will replace all prior versions and listings of the claims in the application:

Listing of Claims:

Claim 1 (previously presented): A method of measuring a performance of a route in an internetwork, the route coupling an internetwork server to a terminal on the internetwork, the method comprising:

at a frequently trafficked portal on the internetwork, detecting a request for a web page from the terminal, wherein the web page is at least partially stored at the frequently trafficked portal;

in response to the request for the web page, downloading the web page to the terminal via the internetwork;

from the web page, retrieving a Uniform Resource Locator (URL) for a web object referenced in the web page;

resolving the URL to the internetwork server;

detecting a request for the web object from the terminal at the internetwork server;

in response to the request for the web object, sending the web object from the internetwork server to the terminal; and

concurrent with sending the web object, measuring a Round Trip Time (RTT) from the transmission and reception of corresponding transport protocol packets sent between the internetwork server and the terminal.

Claim 2 (original): The method of claim 1, wherein the web page is at least partially encoded in a markup language.

Claim 3 (original): The method of claim 2, wherein the markup language is Hyper Text Markup Language.

Claim 4 (original): The method of claim 3, wherein the sending the web object from the internetwork server to the terminal is performed via a Hyper Text Transfer Protocol (HTTP).

Claim 5 (original): The method of claim 4, wherein the Hyper Text Transfer Protocol is HTTP v 1.0.

Claim 6 (original): The method of claim 4, wherein the Hyper Text Transfer Protocol is HTTP v 1.1.

Claim 7 (original): The method of claim 1, wherein the web object is visually imperceptible.

Claim 8 (original): The method of claim 1, wherein the web object comprises a single pixel.

Claim 9 (withdrawn): A method of measuring performance in a network, the method comprising:

between a first point in the network and a second point in the network, wherein the first point is identified by a first address and the second point is identified by a second address, generating one or more pairs of packets, each of the one or more pairs of packets including:

a packet sent from the first point to the second point; and

a packet received at the first point from the second point, wherein the received packet comprises a response to the sent packet;

measuring a plurality of durations between the sent packets and the received packets for the one or more pairs; and

calculating, at least from the plurality of durations, parameters of at least part of the network, wherein the parameters comprise per-group delay, jitter, and loss.

Claim 10 (withdrawn): The method of claim 9, wherein the pairs of packets comprise messages in Transmission Control Protocol (TCP) format.

Claim 11 (withdrawn): The method of claim 10, wherein one or more of the sent packets is a SYN/ACK packet.

Claim 12 (withdrawn): The method of claim 10, wherein one or more of the received packets is an ACK packet.

Claim 13 (withdrawn): The method of claim 9, wherein the network is an internetwork.

Claim 14 (currently amended): A system for measuring performance of an internetwork, the system comprising:

a frequently trafficked web portal in the internetwork;

a web page for downloading upon request and at least partially stored on the frequently trafficked web portal, the at least partially stored web page including a Uniform Resource Locator (URL) for a web object, such that the web object is not stored on the frequently trafficked web portal;

a Domain Name System (DNS) server on the internetwork, the DNS server including a reference ~~which maps~~ for mapping the URL for the web object to an Internet Protocol address for an internetwork server on the internetwork;

a web browser coupled to the internetwork, wherein the web browser ~~sends~~ is configured to send a download request for the web object to the internetwork server; and

a measurement process executed on the internetwork server, such that in response to the download request, the measurement process ~~measures~~ for measuring one or more Round Trip Times from the transmission and reception of corresponding transport protocol packets sent between the internetwork server and the web browser.

Claim 15 (original): The system of claim 14, wherein the web page is at least partially encoded in a markup language.

Claim 16 (original): The system of claim 14, wherein the markup language is Hyper Text Markup Language (HTML).

Claim 17 (previously presented): A method of measuring a performance of a route in an internetwork, the route coupling an internetwork server to a terminal on the internetwork, the method comprising:

at a frequently trafficked portal on the internetwork, detecting a request for a web page from the terminal, wherein the web page is at least partially stored at the frequently trafficked portal;

from the web page, retrieving a Uniform Resource Locator (URL) for a web object referenced in the web page;

resolving the URL to the internetwork server;

detecting a request for the web object from the terminal at the internetwork server; and

in response to the request for the web object, measuring a Round Trip Time (RTT) from the transmission and reception of corresponding transport protocol packets sent between the internetwork server and the terminal.

Claim 18 (withdrawn): The method of claim 9, wherein the per-group delay, jitter, and loss are each weighted averages of delay, jitter, and loss, respectively.

Claim 19 (withdrawn): The method of claim 18, wherein values used to determine the weighted averages are related to a type of application used to send and receive packets between the first point and the second point.

Claim 20 (withdrawn): The method of claim 19, wherein the type of a application is an application selected from the group consisting of HTTP 1.0, HTTP 1.1, Voice over IP, and Video Streaming over IP.